

From: [Warr \(Kettler\), Kristie](#)
To: [Moore, Gary](#)
Cc: c.shappee@westonsolutions.com; [Latham, Benjamin](#); t.a.walzer@westonsolutions.com
Subject: RE: Tank Cars
Date: Wednesday, August 06, 2014 3:48:45 PM

Gary,

The list below is what we were intending to analyze from the tank samples. Our list is much longer! The only analyses listed in Beth's email below that we had not included are halogen and H2S. I can add those.

This list is based on a previous waste profile for CES Port Arthur. Additionally, we checked with our T&D people and also ran this list by two hazardous waste disposal and recycling facilities. The consensus was that these analyses are needed if you want to treat or dispose of the material.

Chemical Analyses (Total and TCLP analyses on solid samples only; totals only for water)

Total TCL VOCs

TCLP RCRA VOCs

Total TCL SVOCs

TCLP RCRA SVOCs

Total TAL Metals

TCLP RCRA Metals

Total PCBs

Total TCL Pesticides

TCLP RCRA Pesticides

Total TCL Herbicides

TCLP RCRA Herbicides

Total TPH by TX 1005

Total Cyanide

Total Sulfide

Total Dioxin/Furans

Total Organic Carbon

Total Anions (bromide, chloride, fluoride, nitrate, nitrite, phosphate, sulfate)

Ammonia

Physical Properties

Viscosity

Melting Point

Boiling Point

Flash Point/Ignitability

pH

Specific Gravity

BTU

Water content

Corrosivity

Total Suspended Solids

From: Moore, Gary [mailto:Moore.Gary@epa.gov]

Sent: Wednesday, August 06, 2014 3:14 PM

To: Warr (Kettler), Kristie

Subject: FW: Tank Cars

See Below

Gary Moore

Federal On-Scene Coordinator

U.S. EPA Region 6

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moore.gary@epa.gov

From: Crawford, Beth <beth.crawford@CBIFederalServices.com>

Sent: Wednesday, August 6, 2014 2:16 PM

To: Moore, Gary

Subject: Tank Cars

Gary,

Ok, I would definitely sample the oil/water as one wastestream and the sludge as another component if at all possible. I can tell you for US Oil we ran the following on the oil/water mixture:

pH, Flashpoint, PCB, Cyanide, Sulfide, BTEX, TAL metals, Halogen and H2S

The H2S issues ended up popping up later. The water had sat for so long it became stagnant essentially so you may want to test for that up front. Sorry it took so long been a little hectic today.

Thanks,



Beth Crawford

Scientist

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